

## CLAIMS

What is claimed is:

5           1.       A system for creating and accessing an object in a computer system, the computer system including an application and an operating system; the system comprising:  
a plurality of application programming interfaces (APIs) calls in the operating system, the plurality of API calls being utilized to obtain and set state information related to the application; and

10           a record/playback application on the computer system, the record/playback application being capable of generating and reading script based upon the API calls to record actions that represent the operations of the applications and to replay actions that represent operations of the application.

15           2.       The system of claim 1 wherein the record/playback application comprises an Accessibility API Suite.

3.       The system of claim 1 wherein the API calls are Accessibility API calls.

4.       The system of claim 1 wherein the APIs are within the operating system.

5.       A method for recording an application on a computer system comprising:  
assigning a record/playback application to the application; and  
20       recording actions which represent operations; and  
generating script information.

6. The method of claim 5 wherein the actions recording step comprises:  
utilizing API calls to obtain state information; and  
generating script based upon the API calls utilizing step.

7. The method of claim 5 which includes the step of writing the script to a file on  
the computer system.

8. A method for playback of a recorded application on a computer system  
comprising:

reading scripted information and generated actions from a file; and  
replaying actions that represent the operation of the application.

9. The method of claim 8 wherein the replay step comprises:  
utilizing API calls to set state information of the recorded application; and  
reading the script based upon the API calls utilizing step.

10. A method for recording and playback of an application on a computer system  
comprising:

for recording,  
assigning a record/playback application to the application;  
recording actions which represent operations; and  
generating script information;  
for playback,

reading scripted information and generated actions from a file; and  
replaying actions that represent the operation of the application.

11. The method of claim 10 wherein the actions recording step comprises:  
utilizing first API calls to obtain state information; and  
generating script based upon the first API calls utilizing step.

12. The method of claim 10 which includes after the generating script step, the step  
of writing the script to a file on the computer system.

13. The method of claim 11 wherein the replay step comprises:  
utilizing second API calls to set state information of the recorded application;  
and  
reading the script based upon the second API calls utilizing step.

14. A computer readable medium containing program instructions for recording an  
application on a computer system, the program instructions for:  
assigning a record/playback application to the application; and  
recording actions which represent operations; and  
generating script information.

15. A computer readable medium containing program instructions for playback of a  
recorded application on a computer system, the program instructions for:

reading scripted information and generated actions from a file; and  
replaying actions that represent the operation of the application.

^

16. A computer readable medium containing program instructions for recording  
and playback of an application on a computer system, the program instructions for:

5

for recording,

assigning a record/playback application to the application;

recording actions which represent operations; and

generating script information;

for playback,

10

reading script information and generated actions from a file; and

replaying actions that represent the operation of the application.